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IDENTIFIER:

TITLE: PHOTOPOLYMERIZABLE COMPOSITION, METHOD FOR GENERATING
RADICAL, PHOTSENSITIVE MATERIAL FOR PRODUCING
PLANOGRAPHIC PRINTING PLATE, AND PRODUCTION OF
PLANOGRAPHIC PRINTING PLATE USING THE SAME

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INVENTOR-INFORMATION:

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for JP 9-34110 (Nakayama).

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ABSTRACT:

PROBLEM TO BE SOLVED: To obtain a photopolymerizable compsn. having satisfactory preservability, capable of writing with IR and capable of forming an image having satisfactory resolution and sensitivity, to provide a method for generating radicals with IR highly sensitively, to obtain a photosensitive material having high photosensitivity in a near IR region as the oscillation wavelength region of semiconductor laser and excellent in shelf stability and to produce a planographic printing plate using the photosensitive material.

SOLUTION: This photopolymerizable compsn. contains a polymerizable compd., at least one of onium salts represented by general formulae

I-IV, a photothermic conversion element and a radical generating agent on a substrate. In the formulae I-IV, each of R1-R4 and R10-R13 is alkyl, aryl or aralkyl, R1-R4 may bond to one another to form a ring, R10-R13 may bond to one another to form a ring, each of R5-R7 is alkyl or aryl, R5-R7 may bond to one another to form a ring, each of R8 and R9 is aryl and X⁻ is a counter anion.

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